



PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of

Akio MATSUNAGA et al.

Application No.: 10/695,872

Filed: October 30, 2003

Docket No.: 117464

For: EGR-GAS TEMPERATURE ESTIMATION APPARATUS FOR INTERNAL
COMBUSTION ENGINE

SUBMISSION OF ORIGINAL DECLARATION

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Submitted herewith is the original signed Declaration of the Inventor. This
Declaration corresponds to the facsimile copy of the Declaration filed on October 30, 2003.

Respectfully submitted,

James A. Oliff
Registration No. 27,075

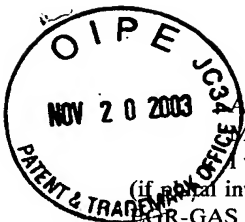
Thomas J. Pardini
Registration No. 30,411

JAO:TJP/amo

Date: November 21, 2003

OLIFF & BERRIDGE, PLC
P.O. Box 19928
Alexandria, Virginia 22320
Telephone: (703) 836-6400

APPLICATION FOR UNITED STATES PATENT DECLARATION AND POWER OF ATTORNEY



I, as a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name; that I verily believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural inventors are named below) of the subject matter which is claimed and for which a patent is sought on the invention entitled: FOR-GAS FLOW RATE ESTIMATION APPARATUS FOR INTERNAL COMBUSTION ENGINE described and claimed in the

specification:

Check one

- *a. ☒ attached hereto.
b. ☐ filed on _____ as Application No. _____ and amended on _____ (if applicable).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose to the Office all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, §1.56.

Under Title 35, U.S. Code §119, the priority benefits of the following foreign application(s) and/or United States provisional application(s) filed by me or my legal representatives or assigns within one year prior to this application are hereby claimed:

2002-320406 filed on November 1, 2002 Japan

The following application(s) for patent or inventor's certificate on this invention were filed in countries foreign to the United States of America either (a) more than one year prior to this application, or (b) before the filing date of the above-named foreign priority application(s) and/or United States provisional application(s):

I hereby appoint the following as my attorneys of record with full power of substitution and revocation to prosecute this application and to transact all business in the Patent Office:

James A. Oliff, Reg. No. 27,075; William P. Berridge, Reg. No. 30,024;
Kirk M. Hudson, Reg. No. 27,562; Thomas J. Pardini, Reg. No. 30,411;
Edward P. Walker, Reg. No. 31,450; Robert A. Miller, Reg. No. 32,771;
Mario A. Costantino, Reg. No. 33,565; Stephen J. Roe, Reg. No. 34,463;
Joel S. Armstrong, Reg. No. 36,430; Christopher W. Brown, Reg. No. 38,025;
Richard E. Rice, Reg. No. 31,560; Paul Tsou, Reg. No. 37,956; and
Eric D. Morehouse, Reg. No. 38,565.

ALL CORRESPONDENCE IN CONNECTION WITH THIS APPLICATION SHOULD BE SENT TO OLIFF & BERRIDGE, PLC, P.O. BOX 19928, ALEXANDRIA, VIRGINIA 22320, TELEPHONE (703) 836-6400.

I hereby declare that I have reviewed and understand the contents of this Declaration, and that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

1	Typewritten Full Name of First or Sole Inventor	Akio Matsunaga		
		Given Name	Middle Initial	Family Name
2	**Inventor's Signature:	<i>Akio Matsunaga</i>		
3	**Date of Signature:	<i>2003.10.17</i>		
		Month	Day	Year
Residence:	Susono-shi	Shizuoka-ken		Japan
	City	State or Province		Country
Citizenship:	Japanese			
	Post Office Address:			
	(Insert complete mailing address, including country)	c/o TOYOYA JIDOSHA KABUSHIKI KAISHA 1 Toyota-cho, Toyota-shi, Aichi 471-8571 Japan		

*If Box (a.) is checked, this form may be executed only when attached to the specification (including claims).

**Note to Inventor: Please sign name exactly as it appears above and insert actual date of signing.

IF THERE IS MORE THAN ONE INVENTOR USE PAGE 2 AND PLACE AN "X" HERE ☒

PAGE 2 OF U.S.A. DECLARATION FORM
(Discard this page in a sole inventor application)

1	Typewritten Full Name of Second Joint Inventor (if any)		
	Hiddenobu		Nakamura
	Given Name	Middle Initial	Family Name
2	**Inventor's Signature: <u>Hiddenobu Nakamura</u>		
3	**Date of Signature: <u>October 27, 2003</u>		
	Month	Day	Year
Residence:	Chita-city	Aichi-pref	Japan
	City	State or Province	Country
Citizenship:	Japanese		
	Post Office Address:		
	(Insert complete mailing address, including country)		
	c/o DENSO CORPORATION		
	1-1 Showa-cho, Kariya-city, Aichi-pref 448-8661 Japan		

1	Typewritten Full Name of Third Joint Inventor (if any)		
2	**Inventor's Signature:	Given Name	Middle Initial
3	**Date of Signature:	Family Name	
		Month	Day
		Year	
	Residence:	City	State or Province
		Country	
	Citizenship:		
	Post Office Address: (Insert complete mailing address, including country)		

1	Typewritten Full Name		
	of Fourth Joint Inventor (if any)		
2	**Inventor's Signature:	Given Name	Middle Initial
3	**Date of Signature:	Month	Day
		Year	
	Residence:	City	State or Province
			Country
	Citizenship:		
	Post Office Address:		
	(Insert complete mailing address, including country)		

1	Typewritten Full Name of Fifth Joint Inventor (if any)		
2	**Inventor's Signature:	Given Name	Middle Initial
3	**Date of Signature:	Month	Day
	Residence:	Year	City
	Citizenship:	State or Province	Country
	Post Office Address: (Insert complete mailing address, including country)		

Note to Inventors: Please sign name exactly as it appears and insert the actual date of signing.

This form may be executed only when attached to the first page of the Declaration and Power of Attorney form of the application to which it pertains.